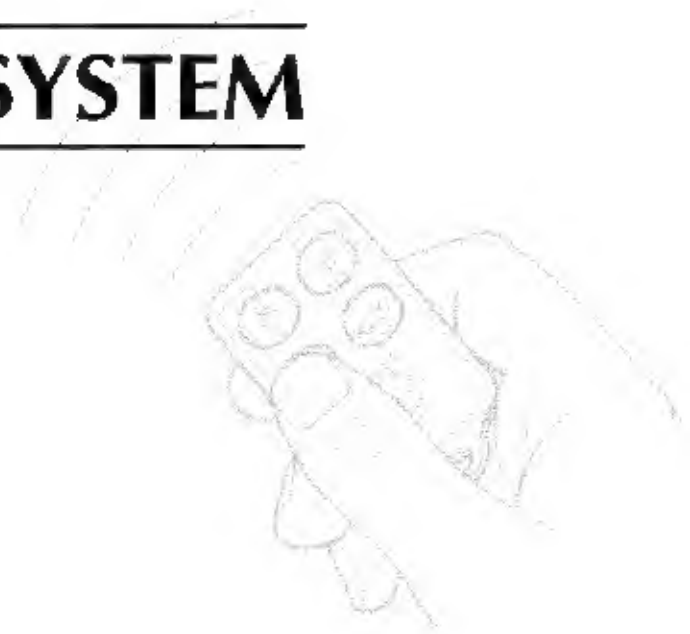


# **SECURITY SYSTEM**



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## SECURITY SYSTEM

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## FOREWORD



BY APPOINTMENT TO  
HER MAJESTY QUEEN ELIZABETH II  
MANUFACTURERS OF DABLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY



BY APPOINTMENT TO  
HER MAJESTY QUEEN ELIZABETH  
THE QUEEN MOTHER  
MANUFACTURERS OF DABLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY



BY APPOINTMENT TO  
HIS ROYAL HIGHNESS THE PRINCE OF WALES  
MANUFACTURERS OF DABLER AND JAGUAR CARS  
JAGUAR CARS LIMITED COVENTRY

**JAGUAR CARS LIMITED**, reserve the right to vary its specifications with or without notice, and at such times and in such manner as it thinks fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form, electronic, mechanical, photocopying, recording or other means without prior written permission from the Service Division of Jaguar Cars Limited.

The information contained herein applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle, owners should consult their Jaguar Dealer.

**Note: USA market** – The radio frequency remote system operates on a frequency subject to USA Federal Communications Commission (FCC) rules.

This device complies with Part 15 of the FCC Rules and with RSS-210 of the Industry Canada. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note:** The manufacturer is not responsible for any radio interference or TV interference caused by unauthorised modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## INTRODUCTION

### Introduction

#### Security Design Features

The security system has been designed for:

- Prevention of theft of the vehicle
- Prevention of theft of items from the vehicle
- Rapid recovery of the vehicle
- Personal security

The security system is integrated with the electronics and engine management systems making it far more difficult for a thief to penetrate and prevents engine starting unless the correct ignition key is used.

Standard alarm features cover the perimeter sensing of the doors and luggage compartment.

Passive arming, the automatic alarm system, can be programmed by a Jaguar Dealer. This ensures that the security system arms itself 30 seconds after the doors, hood and luggage compartment are closed following removal of the key from the ignition switch.

**Note:** Passive arming does not lock the doors.

### Vehicle Security

Always remove the ignition key and close and lock the doors when leaving your vehicle unattended, even in your garage or driveway.

At night, try to park in a well lit area as this will discourage intruders and thieves.

### Security of Keys and Key-ring Transmitters

It is important to keep your keys and key-ring transmitters in safe places at all times. Leaving them in conspicuous places is an invitation for a thief to steal them and, consequently, your car or belongings. Keep them as secure as you would your wallet or purse, both at home and away. Do not leave the key number tag with the keys, detach the number tag and keep it in a safe place.

For increased security, replacement keys are only obtainable from a Jaguar Dealer who will ask for proof of vehicle ownership before the key can be ordered from Jaguar Cars Ltd. A log of all enquiries for replacement keys is kept by Dealers and notified to Jaguar Cars Ltd.

## KEY-RING TRANSMITTER

### Key-ring Transmitter

The Security System is controlled remotely by a radio frequency, battery-operated key-ring transmitter. The transmitter uses a random encrypted fixed and rolling code each time the system is used. This provides billions of combinations and ensures that the code cannot be copied.

Each of the two transmitters supplied is designed to be attached to a driver's key-ring.

The key-ring transmitter is activated by pointing it towards the vehicle and pressing one of the four operating buttons.

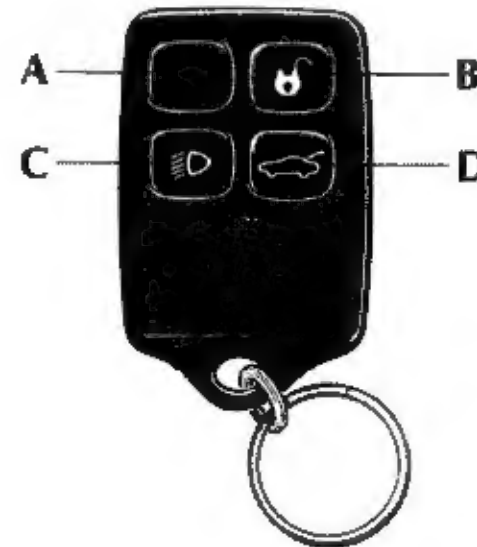
- A. Locks and arms the vehicle.
- B. Unlocks and disarms the vehicle.
- C. One press switches on headlamps for 25 seconds. Three presses starts the Panic Alarm (see page 10).
- D. Releases luggage compartment lock.

### Care of Key-ring Transmitters

The key-ring transmitters must be treated with care and not exposed to extremes of heat, dust, humidity or be in contact with fluids. The batteries are the only serviceable part.

### Key-ring Transmitter Loss

If a transmitter is lost or stolen it is advisable to contact your Dealer, without delay, to have the remaining transmitter re-programmed to prevent anyone using the lost transmitter. A new key-ring transmitter can be obtained from your Jaguar Dealer, who will ask for proof of vehicle ownership.



## KEY-RING TRANSMITTER

### Key-ring Transmitter Battery Renewal

To ensure that the key-ring transmitter operates at its full capacity, use CR 2016 batteries. When the batteries need renewal there will be a significant decrease in the effective range of the key-ring transmitter.

**Caution:** To avoid disrupting the coding of the key-ring transmitter during battery renewal, the operating buttons must not be pressed. If the code is disrupted, it will be necessary to have your Jaguar Dealer re-programme the key-ring transmitters.

To renew the batteries, insert a slim blade into the gap between the battery cover and the body and prise the covers apart exposing the twin-disc battery cells. Fit two new cells with the side marked with the positive symbol (+) downwards. Refit the battery cover and click into place with thumb pressure.

### Key-ring Transmitter Operation

The key-ring transmitter will not operate if the key is in the ignition.

The security system will not arm if the key is in the ignition switch or if any protected entry is open.



## KEY-RING TRANSMITTER

### Key-ring Transmitter Operation – Button Functions

#### Button A (Locks and arms)

**One press (if vehicle is unlocked and disarmed):** Locks all doors, the luggage compartment and sets the alarm system. The direction indicators will flash once and a single sound will be heard whilst locking and arming occurs. The red security system warning light in the gear selector panel will start to flash and will continue flashing while the vehicle is armed.

#### Button B (Unlocks and disarms)

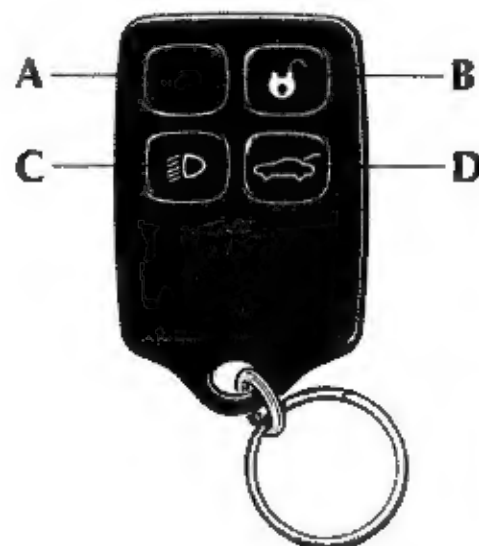
**First press:** Unlocks the driver's door and the luggage compartment. It disarms the security system alarm and switches on the interior lights for two minutes at  $\frac{3}{4}$  brightness. It also cancels the luggage compartment valet lock-out, if set. The direction indicators will flash twice and two sounds will be heard as the vehicle is unlocked and disarmed.

**Second press:** Unlocks the passenger door(s).

#### Button C

**One press:** Switches on headlamps. The headlamps will remain on for 25 seconds, or until the key is inserted in the ignition switch and turned to position 'II', or if the button is pressed again.

**Three presses within three seconds:** Starts Panic Alarm (see page 10).



#### Button D

**One press:** Releases luggage compartment lock.

## KEY OPERATION

### Door locking/unlocking using key

#### Locking

##### Notes:

1. The security system will not arm if a key is in the ignition switch or if a protected entry on the sports car is open. The system will arm the saloon car if any protected entry is open but will not monitor that entry until it is closed. Ensure that the keys and the key-ring transmitter are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the hood are closed.

2. Remove the sports car convertible top cover before closing the top.

#### To lock and set the alarm system

Turn key anti-clockwise and release.

This action locks all doors, luggage compartment, fuel filler flap and sets the alarm system.

Hold the key in the 'Lock' position to close all windows and sports car convertible top or saloon sunroof, if fitted. The direction indicators will flash once and a sound will be heard, if all protected openings are closed, whilst locking and arming occurs.

#### Global Locking

Turn the key anti-clockwise, hold in this position and the vehicle will arm, (and the saloon sunroof or sports car convertible top, if fitted) will close and the doors and luggage compartment will be locked.

#### Unlocking

Turn key clockwise and release.

Unlocks the doors, luggage compartment, fuel filler flap, disarms the alarm system and turns on the interior lights for two minutes at  $\frac{3}{4}$  brightness. The direction indicators will flash twice and two sounds will be heard whilst unlocking and disarming occurs.

With the vehicle disarmed, hold the key in the 'Unlock' position to open all windows (and sports car convertible top). The saloon car sunroof, if fitted, will not be opened.

#### Global Unlocking

Turn the key clockwise to unlock the vehicle and hold it in this position. This disarms the vehicle and opens the windows, (and the sports car convertible top, if fitted; the saloon sunroof will not be opened).



## ALARMS AND AUDIBLE SIGNALS

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### Alarms and Audible Signals

#### Full Alarm

Once armed, any of the following circumstances will create a full alarm state:

- Opening a door.
- Opening the luggage compartment with a key (A ticking sound will be heard and the full alarm is delayed for seven seconds).
- If an invalid key is inserted into the ignition switch and turned to position 'I' or 'II'.
- Lifting or tilting the vehicle, for example, an unauthorised towing away attempt (If a tilt sensor is fitted).
- Pressing headlamp button on key-ring transmitter three times within three seconds produces the Panic Alarm.

#### Error Tone

The sounder gives a short, high-pitched tone whenever one of the following conditions is present:

- If any door is open when an attempt to 'arm' the security system is made.
- The luggage compartment lid is not properly closed when an attempt to 'arm' the security system is made.
- If a key is in the ignition switch when a transmitter button is pressed.
- If there is an electrical failure within the tilt sensing security system (if fitted) and an attempt to 'disarm' the security system is made.

#### Audible Signals

An audible signal will sound when:

- The 'Valet' switch is pressed with the luggage compartment closed or when in Valet mode and the interior luggage compartment release switch is pressed.

## SECURITY SYSTEM FEATURES

### Drive-away Door Locking

This feature is an additional occupant safeguard which locks all the doors if they are unlocked when the gear selector is moved out of the 'P' or 'N' positions. For this feature to operate, the ignition switch must be in position 'II' and all doors closed.

### Interior Door Locking

Sports car: To lock the doors from within the vehicle, press a door release lever.

Saloon car: To lock the doors from within the vehicle, press any door sill button or the central locking switch.

### Fuel Filler Flap

Sports car: The fuel filler flap is operated by the fuel filler release switch. The switch will operate when the security system is disarmed and the vehicle is either unlocked or the key is in the ignition switch. The switch will not operate if the engine is running.

Saloon car: The fuel filler flap is locked and unlocked in conjunction with locking or unlocking the vehicle only when using a key or a key-ring transmitter.

### Valet Key Locking

Before locking the vehicle and handing the green headed 'valet' key to a parking attendant, press the valet switch to inhibit the luggage compartment interior release switch (and saloon exterior release button). The vehicle can then be parked by an attendant who can lock the vehicle after parking, but cannot open the luggage compartment. The luggage compartment can then only be unlocked with the black headed key or the key-ring transmitter.

### Central Locking Switch (Saloon car only)

With the ignition switch in either position 'I' or 'II' and all doors and the luggage compartment lid closed, press the central locking switch to lock the doors and luggage compartment, if they are unlocked.

Continue to hold the switch for three seconds to close any open windows and the sunroof, if fitted.

A further press on the central locking switch after three seconds will unlock the doors and luggage compartment.

## SECURITY SYSTEM FEATURES

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### **Panic Alarm**

When in or near the vehicle, the alarm can be set off to deter a would-be offender. This feature will also unlock the doors. For this feature to operate, the ignition key **must not** be in the ignition switch.

Pressing the headlamp button on the key-ring transmitter three times within three seconds will activate the 'Panic Alarm'.

The Panic Alarm will sound for the normal full alarm period. The alarm is stopped by turning the ignition key to position 'I' or 'II'.

The key-ring transmitter cannot be used to cancel the Panic Alarm, this prevents unauthorised use.

### **Remote Headlamp Convenience**

By pressing the key-ring transmitter button with the dipped headlamp symbol, the headlamps will come on for 25 seconds unless the headlamp button is pressed again or if the key is placed in the ignition switch and turned to position 'II'.

### **Passive Arming (Dealer option)**

**Note:** *Passive arming will not lock the doors, it only arms the security alarm system.*

The system, if preset by a Jaguar Dealer, can automatically arm the vehicle alarm system 30 seconds after the last protected entry (door, luggage compartment) is closed following the key being removed from the ignition switch.

When passive arming occurs the direction indicators will flash once and a single tone will be heard. The red security light on the gear selector surround will start to flash and will continue for as long as the vehicle is armed.

Opening a protected entry causes a warning sound which continues for fifteen seconds before the vehicle goes into the full alarm state.

If the system has been armed passively it can be disarmed by either the key-ring transmitter, by switching the ignition to position 'I', or by unlocking the driver's door with the key.

**Note:** The security system will not passively arm if a key is in the ignition switch, or if any protected entry is open.

## SECURITY SYSTEM FEATURES

### Perimeter Sensing

Perimeter sensing is put into operation every time the vehicle is armed. This feature sounds the alarm if any unauthorised opening of doors or luggage compartment occurs.

### Battery Tampering Alarm and Restart Procedure

This feature prevents the security system being by-passed by battery disconnection.

If the battery is disconnected when the security system is either armed, disarmed or in the full alarm state, the security system will automatically resume the vehicle state before disconnection when the battery is reconnected.

### Two-Stage Unlocking

Using the key-ring transmitter, press the unlock button to open the driver's door; press again to unlock the passenger's door(s).

### Engine Immobilisation

The ignition key has an engine immobilising device in the plastic head. Engine immobilisation occurs automatically when the ignition key is turned to position '0'.

**Caution:** Should the ignition key be lost, a new key must be obtained and programmed to the vehicle by a Jaguar Dealer who will ask for proof of vehicle ownership.

It is advisable to notify a Dealer as soon as a key is lost or stolen and have the remaining key(s) reprogrammed. This will then prevent the lost or stolen key from being used to start the engine.

### Tilt Sensing Protection (Dealer Option)

This feature protects against unauthorised towing away and jacking up. As soon as an attempt is made to tilt the vehicle, to tow away or jack the vehicle up, if the system is 'armed', the security system will enter the full alarm state.

**Note:** If the tilt sensor operates the alarm when the sports car is being transported by road, rail or sea, do not unlock the car. The alarm will sound for a limited time only.

**Saloon car only:** To switch off the tilt sensing protection feature in the saloon car, turn the ignition key to the '0' position then press the central locking switch. The security light in the gear selector lever surround will flash to confirm that the tilt sensing is off.

This procedure may be necessary when the saloon car is being transported by road, rail or sea.

The tilt sensing will return to normal when the security system is disarmed and subsequently armed.

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